

Use Attainability Analysis

for

WBID 3336 Flat Creek

Submitted by Pickett Ray and Silver

To Missouri Department of Natural Resources Water Protection Program

Date Received: June 5, 2007

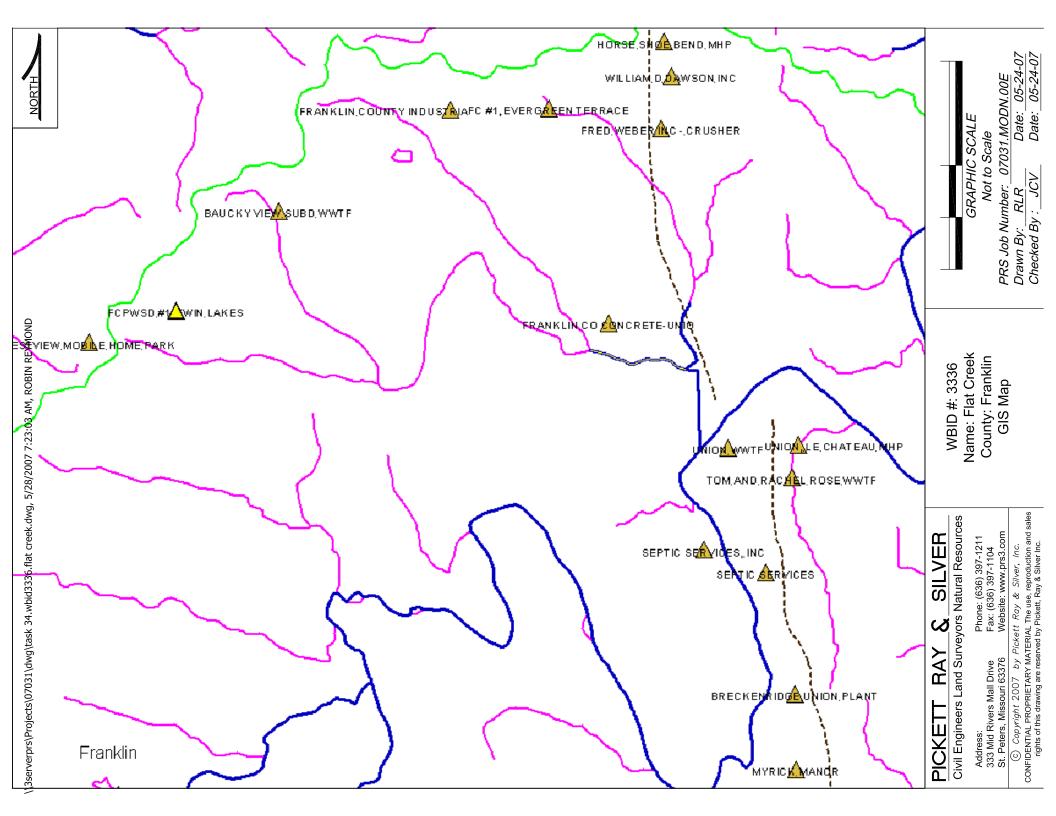
WBID #: 3336

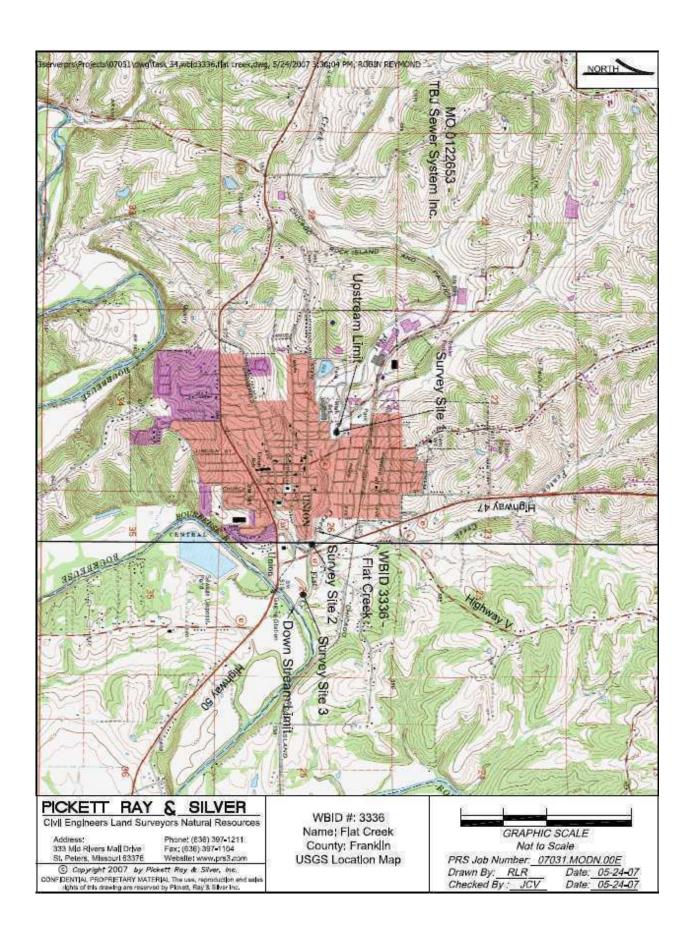
Signed: Robin Reymond

Field Data Sheets for Recreational Use Stream Surveys

	Mis	SSOUri Data Sheet A - V	Vater Bo	dy Identification	
<u>.</u> I.		padio too water body being s	surveyed)		
	•	turab Resourcesquad): Fla			
	Missouri Waterbo	dy Identification (WBID) Number: 3	3336 - F	lat Creek	
	8-digit HUC: 7	140103		County: Franklin	
	Upstream Legal	Description (from Table H): 43	3N, 01W	, Section 27	
	Downstream Le	gal Description(from Table H):	Mouth		
	Number of sites	evaluated 3			
	List all sites nun	nbers, listed consequently upstr	eam to do	ownstream:	
	3336-1, 3336-2	2. 3336-3			
Si	,	·	ment wit	h assessment sites clearly labeled. Mark	
		t may be of interest. Attached	5	woodoo	
II		n (fill this section out only in c		re subesgmentation is being proposed)	
	Upstream Coord			Downstream Coordinates:	
	UTM X	Y		UTM X Y	
		TION METHOD (Indicate the method used to de	termine the loo	·	
	(Global Positioning System (GPS)	I	Interpolation	
	Static Mode			Topographic Map or DRG	
	Dynamic Mode (Kin	ematic)		Aerial Photograph or DOQQ	
	Precise Positioning	Service		Satellite Imagery	
	Signal Averaging			Interpolation Other	
	Real Time Different				
	HORIZONTAL ACCURA				
		GPS Data Quality		Interpolation Data Quality	
	FOM	±Meters		Source Map Scale: 1:24,000 1:100,000	Other
	PDOP	±Feet or ±Me	eters	\pm Feet or \pm Mete	are
Ш		 cility Information (list all permit	tted discha		
	Discharger Facil			argons on the stream)	
	Discharger Pern				
		Mo 0114189			
IV		(please print legibly)			
	Name of Survey		T	elephone Number: 636-397-1211	
		nployer: Pickett, Ray & Silver, Inc.			
	Position: Field Tea	am Leader			
	ease verify that y	ou have completed all section	s, checke	d all applicable boxes and that everythi	ng is

Date: 5/9/07





	D	lissou epar	uri tment	Of Da	ta She	et B	- Site (onal Use Charact for each	erizati	n Surveys on			
	Date Time. 5/9	anture	dRes	ource	S		Site Loc	ation Descr	iption (e.g	., road crossing):	:		
	Personnel (Data Co						Churc	h Stree	et just o	downstrea	m of bridge		
	Current Weather Co	onditions	sunny	82°F			Facility 1	Name: FCI	PWSO #	#1 Twin Lake	es		
	Weather Conditions	for Past	t 10 days: r	ain/sun	1		Permit N	lumber: M(O 01141	89			
	Drought Conditions	?: No di	rought 🗏;	Phase I]; Phase II	[□; P	hase III 🗆	; Phase IV [□; Unkno	own 🗆			
Si	te Locations:	ATEC (III	UIVEDOAL :	ED ANOVEE	OCE MEDOA	TOD D	DO IECTION	IN METERS	•				
	Site GPS Coordin			IKANSVEN	SE WERCA	NIOR PI		Y:	9)				
	HORIZONTAL COLLE			dicate the m	nethod used	to deter							
		Global	Positioning	System (GPS)					Interpola	tion		
	Static Mode Dynamic Mode (Kinem	atic)				-		Topographi Aerial Photo	•				
	Precise Positioning Ser							Satellite Ima					
	Signal Averaging							Interpolation	n Other Re	al Time Different	ial Correction with	Х	
	Real Time Differential F	Processing	g						Po	st Processing			
	HORIZONTAL ACCUR	ACY EST	IMATE							<u> </u>			
			GPS Data	Quality					ata Quality				
	FOM	±		Meters				Sourc	ce Map Sca	e: 1:24,000 1:100	,000 Other		
	EPE	±	Fe	et or ±_	Me	eters			+	Feet or ±	Meters		
	PDOP			5	5.3				<u> </u>		Weters		
Ph	otos:												
	Upstr	ream Pho	otos			Do	ownstream	Photos			Other Photos		
	Photo ID#	Pho	oto Purpos	e	Photo ID) #	Pł	noto Purpos	e	Photo ID#	Photo Pur	pose	
	See Attached	Photos	5										
Us	es Observed*:	(Uses	actually	observe	ed at tim	e of s	survey.)						
	☐ Swimming		☐ Skin	diving		∃ scu	UBA diving	3	☐ Tubi	ng	☐ Water skiii	ng	
	☐ Wind surfing		☐ Kaya	king		□ Boa	ating		□ Wad	ing	☐ Rafting		
	☐ Hunting		☐ Trap	ping	[☐ Fish	hing		None	of the above	☐ Other:		
	Describe: (Include 1 Use Interview when	conduct	ting intervi	iews.)								Recreational	
	rrounding Con isual items of inte		s*: (Mai	k all tha	it promot	te or i	impede re	ecreationa	ıl uses. A	Attach photos	of evidence or		
	City/county parl	ks	Play	grounds	□ MD	C cons	servation la	nds	■ Urba	n areas	☐ Campgrou	nds	
	☐ Boating accesse	parks	☐ Nat	ional f	forests		☐ Natu	e trails	☐ Stairs/wall	cway			
	☐ No trespass sign	e	☐ Stee	ep slop	pes		☐ None	of the above	☐ Other:				
Comments:													
Inc	lications of Hu	man U	Jse*: (at	tach ph	otos)								
	□ Roads □	Rope	swings	☐ Foot	paths/prin	nts	□ Dock/p	latform	Liv	estock Watering	g RV/ATVT	racks	
	☐ Camping Sites			☐ Fire j	pit/ring		☐ NPDES	S Discharge	Fig.	shing Tackle	■ Other: Graffiti		
	Comments: Trash	า											

	B Souri e Plastral Difte	ofsions: Is there a	any water present a	t this view	? ⊈ Yes □ No	
			there an obvious c		✓ Yes □ No	
Select one of the		iel features:				
Channel Feature	Distance from a	access (m) Wid	lth (m) Leng	gth (m)	Median Depth (m)	Max. Depth (m)
RIFFLE						
RUN Bridge	0		10		.30	.30
POOL						
	•		re any water preser	nt at this vie	ew? □ Yes □ No)
Approximate percenta segment site	ge of channel featur	es for entire If so,	is there an obvious	current?	□ Yes □ N	0
Select one of the	following chanr	nel features:				
Channel Feature	Distance from a	access (m) Wid	th (m) Leng	gth (m)	Median Depth (m)	Max. Depth (m)
RIFFLE 25%						
RUN 65%						
POOL 10%						
ubstrate*: (These	values should add	d up to 100%.)				
10 % Cobbl	e 15 % C	ravel	% Sand 15	% Silt	15 % Mud/Clay	40 % Bedroo
Heavy moss a	nd algae grow	th on rock sub	strate.			
			strate.			
			strate. □ Chemical	□ None	□ Other:	
Vater Characteri	stics*: (Mark all	that apply.)		□ None	□ Other:	
Vater Characteri	stics*: (Mark all	that apply.) Musky Green	☐ Chemical			
Vater Characteric	stics*: (Mark all Sewage	that apply.) Musky Green	☐ Chemical ☐ Gray murky	☐ Milky	☐ Other:	
Vater Characteric Odor: Color: Bottom Deposit: Surface Deposit: Comments: Please This information is no comprehensive underst ecision on the recreation	Sewage Clear Sludge Oil attach any add to be used solely anding of water coon use analysis but	that apply.) Musky Green Solids trash Scum Itional comment of for removal of a reconditions. Consequent may point to conditions.	☐ Chemical ☐ Gray murky ☐ Fine sediments ☐ Foam ts () to this form. ecreational use designently, this information ditions that need furth hecked all applica	☐ Milky ☐ None ☐ None nation but ration is not intended ther analysis able boxes	Other: Other: Other: Other:	ence a use.
Vater Characteric Odor: Color: Bottom Deposit: Surface Deposit: Comments: Please This information is no comprehensive understection on the recreation	Sewage Clear Sludge Oil attach any add to be used solely anding of water con use analysis but to but have completed.	that apply.) Musky Green Solids trash Scum Intional comments of for removal of a reconditions. Consequent may point to conducted all sections, consequences.	☐ Chemical ☐ Gray murky ☐ Fine sediments ☐ Foam ts () to this form. ecreational use designently, this information ditions that need furth hecked all applica	☐ Milky ☐ None ☐ None ☐ nation but ration is not intended the analysis	Other: Other: Other: Other:	ence a use.

Recreational Use Attainability Analysis Field Survey Sheet

	Waterb	- 4 . ID.	333	6		0:1- #-	1									Dissolved Oxygen						
	Weathe	ody ID:		suni	าง 82	опе #. 2° F										Dis	solved C)xygen:	11.3	81	(mg/L)	
	l															Dis	solved C)xygen:			(% sat)	
	GPS Lo	ocation: UTM X:	673540	0.451m		JTM Y:	425753	8.765m	N 1 /								Specific	: Cond:			(µS/cm)
		Horizon	ıtal Accı	uracy Es	stimate (GPS Da	ata Qua	lity):	+/- IN/	Α	(feet)		PDOP:	5.3						5		
	Average	e Strean	n Width	6.6			(1	meters)	Leng	jth of Su	rvey Se	gment:	150	(1	meters)	wate	rrempe	erature.			('C)	
	Field	d Staff:	PRS	6 - R																		
	_									Trans	sact Ci	oss-S	ection									
	0	1	0	2	0	3	0	4	0			6	0	7	0	8	0	9	1	0	1	1
	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance	Depth (m)	Distance (m)	Depth (m)	Distance	Depth (m)
1	0	.10	0	.35	.5	.30	0	.10	0	.25	0.5	.10	0	.10	0.4	.10	0	.10	0	.10	.8	.01
2	.8	.10	1.3	.20	1.0	.36	.75	.10	.75	.37	1.0	.10	.4	.20	0.6	.10	.35	.22	.8	.10	1.6	.03
3	1.6	.30	2.6	.53	1.5	.39	1.5	.13	1.5	.39	1.5	.13	.8	.28	0.8	.12	.70	.26	1.6	.10	2.4	.10
4	2.4	.30	3.9	.60	2.0	.43	2.25	.14	2.25	.39	2.0	.14	1.2	.28	1.0	.13	1.05	.34	2.4	.16	3.2	.02
5	3.2	.42	5.2	.55	2.5	.30	3.0	.17	3.0	.39	2.5	.15	1.6	.28	1.2	.11	1.4	.34	3.2	.24	4.0	.01
6	4.0	.42	6.5	.43	3.0	.28	3.75	.19	3.75	.35	3.0	.19	2.0	.17	1.4	.11	1.75	.36	4.0	.30	4.8	.07
7	4.8	.43	7.8	.43	3.5	.26	4.5	.14	4.5	.34	3.5	.20	2.4	.11	1.6	.11	2.1	.40	4.8	.25	5.6	.04
8	5.6	.41	9.1	.40	4.0	.20	5.25	.14	5.25	.30	4.0	.20	2.8	.11	1.8	.11	2.45	.40	5.6	.20	6.4	.00
9	6.4	.40	10.4	.26	4.5	.15	6.0	.15	6.0	.28	4.5	.33	3.2	.10	2.0	.11	2.8	.40	6.4	.15	7.2	.09
10	_	.35	11.7		5.0	.16	6.75		6.75	.13	5.0	.20	3.6	.20	2.2	.10	3.15	.40	7.2	.10	8	.03
11		.23	13		5.5	.10	7.5	.11	7.5	.10	5.5	.11	4	.10	2.4	.10	3.5	.30	8	.10	_	0.00
Width/Median Depth		0.35		0.40		0.28				0.34		0.15		0.17		0.11		0.34		0.15		0.03
Feature Type (riffle, run, or pool)	Run		Pool		Run		Riffle	•	Run Run Riffle					Riffle	fle Run Run Riffle							
Notes:	Transects v	will be meas	ured begin	ning on left	descendina	bank and fi	nishing on	iaht descen	ding bank.													

GPS location corresponds to Transect 01. Transects ordered in upstream to downstream order.

Signed: Robin Reymond Date:	5/9/07	
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Site Maximum 0.60

Site Median 0.18

	Field Data Sheets for Recreational Use Stream Surveys Missouri Data Sheet B - Site Characterization Completed for each site)												
	Date & Time: 5/	Mentane	ımReso	ource	S	50 00	1			., road crossing):			
	Personnel (Data C	Collectors):	PRS - F	RR/MC			Near	ball field	ds on (Old Farm F	Road		
	Current Weather (Conditions	:sunny 8	82°F			Facility	Name: FCF	PWSO #	#1 Twin Lake	S		
	Weather Condition	ns for Past	10 days: r	ain/sun			Permit N	Number: MC	01141	89			
	Drought Condition	ns?· No dr	ought .	Phase I [T. Phase 1	II □· pl	hase III 🗆	· Phase IV [7: Unkno	own \square			
Si	te Locations:	115 140 di	ought L.,	T Huse T L	<u> </u>	п ш, г	nase III 🗀	, i nase i v E		7WII 🗀			
	LOCATION COORD					ATOR P							
	Site GPS Coord				_			Y: 42573	99.99m	າ			
	HORIZONTAL COL		I ETHOD (Ind Positioning			d to deter	rmine the loc	ational data.)		Interpolat	ion		
	Static Mode	Olobal I	Comorning	Cyclonic	<u> </u>			Topographic	Map or DF				
	Dynamic Mode (Kine							Aerial Photo	•	OQQ			
	Precise Positioning S	Service						Satellite Ima					
	Signal Averaging							Interpolation	Other Re	al Time Differenti	al Correction	with	Х
	Real Time Differentia								Po	st Processing			
	HORIZONTAL ACCU	JRACY EST	GPS Data	Quality					ta Quality				
	FOM	±		Meters						· · · · · · · · · · · · · · · · · · ·			
	EPE		Fee	et or ±_	N	1eters		Sourc		le: 1:24,000 1:100,			
	PDOP				5.9				±	Feet or ±	Mete	rs	
Ph	otos:							•					
	Up	stream Pho	otos			Do	ownstream	Photos			Other Photo	os	
	Photo ID#	Pho	oto Purpose	e	Photo I	D#	Pl	hoto Purpose	e	Photo ID#	Phot	to Purp	oose
	See Attached	d Photos	;										
Us	es Observed*	: (Uses a	actually	observe	ed at tir	ne of s	survev.)						
	☐ Swimming	- (☐ Skin				JBA diving	σ	☐ Tubi	nσ	☐ Wate	er skiir	ισ
	☐ Wind surfing		☐ Kaya			☐ Boa		5	□ Wad		☐ Rafti		΄δ
									_				
	☐ Hunting Describe: (Include	e number o	f individu			☐ Fish		of evidence (of the above	Othe		ecreational
	Use Interview who				ung, phot	o-docum	nemation c	or evidence (or recreati	onar uses, etc. O	se Daia snee	л D- К	ecreational
	rrounding Co usual items of in		s*: (Mar	k all tha	at promo	ote or i	mpede re	ecreationa	l uses. A	Attach photos	of evidence	e or	
	City/county pa	arks	Plays	grounds	□ МІ	DC cons	servation la	inds	Urba	n areas	☐ Cam	pgrour	nds
	☐ Boating access	parks	□ Na	ational fo	orests		☐ Natui	e trails	☐ Stair	s/walk	way		
	☐ No trespass sig	e	□ Ste	eep slop	es		☐ None	of the above	☐ Othe	r:			
	Comments:												
Inc	dications of H	uman U	lse*: (at	tach ph	otos)								
	Roads	☐ Rope s	swings	Foot	t paths/pri	ints	□ Dock/p	Oock/platform ☐ Livestock Watering ☐ RV / ATV Tracks			racks		
	☐ Camping Sites	3		☐ Fire			☐ NPDES	S Discharge	☐ Fis	shing Tackle	☐ Other:		
	Comments:					1			1	-	1		

* Page Tv	wo – Data	Sheet B for W	/BID #3	3336-2								
Stream N	ocppolet	souri										
Upstre	am Viewe	Dartmenthe	fsions: I	s there any water	present at	this view	? □ Yes □ No					
	[♣] ₩ Na	tural Resou	ırces	If so, is there and	- obvious ci	irrent?	□ Yes □ No					
Select o		ollowing <mark>chann</mark>			00 110 40 00							
Channe	l Feature	Distance from a		Width (m)	Leng	th (m)	Median Depth (m)	Max.	Depth (m)			
RIFFLE	E											
RUN												
POOL												
Downst	tream View	's Physical Dir	nensions	: Is there any wa	ter presen	t at this vi	ew? □ Yes □ No)				
		e of channel feature	s for entire	If so, is there a	n obvious	current?	□ Yes □ No)				
segment Select of		ollowing chann	el featur		1 00 (10 00	001101101	_ 1 0 _ 1					
Channe	l Feature	Distance from a		Width (m)	Leng	th (m)	Median Depth (m)	Max.	Depth (m)			
RIFFLE	55%											
RUN	35%											
POOL	10%											
Substrate		alues should add										
25	% Cobble	25 % G	ravel	% Sand		% Silt	% Mud/Clay	50	% Bedrock			
		on gravel ba			nd algae	growth c	on rock substrate.					
Odor:	nar acter is	☐ Sewage	☐ Musl		ical	☐ None	☐ Other:					
Color:		☐ Clear	☐ Gree			☐ Milky	☐ Other:					
Bottom	n Deposit:	☐ Sludge	□ Solic	ls	ediments	□ None	☐ Other:					
Surface	e Deposit:	□ Oil	□ Scun	n 🗆 Foam		□ None	☐ Other:					
Comments: Please attach any additional comments () to this form. *This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. Please verify that you have completed all sections, checked all applicable boxes and that everything is complete. Surveyor's Signature:Robin Reymond												
Organizat	ion: Pickett,	Ray, & Silver, Inc	c.		_ Positio	n:			_			

Recreational Use Attainability Analysis Field Survey Sheet

								tional	-	Attail	Italiiability Alialysis Fleid Su					Dissolved Oxygen						
	Waterb	ody ID:	333	6		Site #:	2															
	Weathe	er Condi	tions:	suni	ny 82	2° F)xygen:			(mg/L)	
	GPS L	ocation:														Diss	solved ()xygen:			(% sat)	
	GF 3 L	UTM X:	674384	4.519m		UTM Y:	425739	9.399m	NI/	٨			PDOP:	. 0			Specific	c Cond:			(µS/cm	
														5.9		Wata	r Tanına	erature:	244		(°C)	
	Averag	e Strear	n Width	8.2			(meters)	Leng	jth of Sι	ırvey Se	gment:	165	(1	meters)	wate	rempe	erature.			(0)	
				3 - R																		
	Field	a Stan:																				
										Tran	sect Cı	oss-S	ection									
	Distance	1	Distance	2	Distance	3	Distance	4	0 Distance	5	0 Distance	6	0 Distance	7	0 Distance	8	0 Distance	9	1 Distance	0	1 Distance	1
	(m)	Depth (m)	(m)	Depth (m)	(m)	Depth (m)	(m)	Depth (m)	(m)	Depth (m)		Depth (m)	(m)	Depth (m)	(m)	Depth (m)	(m)	Depth (m)		Depth (m)		Depth (m)
1	0	.10	0	.12	0	.22	0	.10		>1	0	.10	0	.10	0	.10	0	.10	0	.10	0	.10
2	.9	.23	.9	.21	8	.33	.9	.11		>1	.75	.10	.65	.10	.1	.10	.8	.45	1.3	.13	0.5	.10
3	1.8 .30 1.8 .13					.33	1.8	.10		>1	1.5	.10	1.3	.11	.2	.10	1.6	.77	2.6	.10	1.0	.11
4	2.7	.33	2.7	.15	2.4	.28	2.7	.10		>1	2.25	.10	1.95	.10	.3	.11	2.4	.70	3.9	.10	1.5	.21
5	3.6	.34	3.6	.15	3.2	.25	3.6	.08		>1	3.0	.11	2.6	.03	.4	.10	3.2	.50	5.2	.13	2.0	.40
6	4.5	.30	4.5	.15	4.0	.20	4.5	.06		>1	3.75	.04	3.25	.04	.5	.10	4.0	.45	6.5	.10	2.5	.37
7	5.4	.25	5.4	.10	4.8	.20	5.4	.10		>1	4.5	.03	3.9	.03	.6	.10	4.8	.40	7.8	.09	3.0	.31
8	6.3	.17	6.3	.10	5.6	.20	6.3	.10		>1	5.25	.03	4.55	.03	.7	.12	5.6	.20	9.1	.00	3.5	.26
9	7.2	.13	7.2	.10	6.4	.15	7.2	.10		>1	6.0	.10	5.2	.10	.8	.11	6.4	.20	10.4	.00	4.0	.19
10	0.4 40 0.4 40 3			7.2	.10	8.1	.12		>1	6.75	.10	5.85	.10	.9	.12	7.2	.10	11.7	.10	4.5	.10	
11	~ 40 0 40 0					.10	9	.10			7.2	.10	6.5	.10	1.0	.12	8	.10	13	.14	5	.10
Width/Median Depth	0 0 22 0 0 42 8 0 2							0.10	9	-	8	0.10	7	0.10	5	0.10	8	0.40	13	0.10	5	0.19
Feature Type (riffle, run, or pool)	Run	-	Run	-	Run		Riffle				Riffle		Pool		Riffle	•	Riffle					
. catala Type (mile, rail, or poor)									. 551		Rille Rille Rille				1 331							

Notes: Transects will be measured beginning on left descending bank and finishing on right descending bank.

GPS location corresponds to Transect 01. Transects ordered in upstream to downstream order.

Signed: Robin Reymond

Date: 5/9/07

Site Maximum 1.00

Site Median 0.11

	BID# 3336 Field Data Sheets for Recreational Use Stream Surveys #3 Missouri Data Sheet B - Site Characterization Department of (must be completed for each site)												
	Date & Time: 5/	Menture	ahResc	ource	S					., road crossing):			
	Personnel (Data (Collectors):	PRS - R	RR/MC		Old	Cour	ntry Farm	Rd Up	stream of conflu	uence with Bourb	euse River	
•	Current Weather	Conditions	sunny 8	35°F		Faci	ility N	Name: FCF	PWSO #	#1 Twin Lake	 S		
-	Weather Condition	ons for Past	10 days: r a	ain/sun		Pern	mit Nı	umber: M(O 01141	89			
-	Drought Conditio	ne?: No dr	ought :	Phase I F]. Phase II □	7. Phace II	п П.	Phase IV	7. Unkno	wn 🗆			
Sit	te Locations:		ought 🗀, i	i nasc i L	i, i nasc ii L	ı, i nasc ii	ш,	Thase IV I	_, Olikile	JWII Ш			
	LOCATION COORD					R PROJEC							
	Site GPS Coord							Y: 42573	899.99n	າ			
	HORIZONTAL COL		Positioning			determine th	ne loca	ational data.)		Interpolat	ion		
	Static Mode		<u> </u>	(- /			Topographic		RG			
	Dynamic Mode (Kine Precise Positioning S							Aerial Photo	• .	OQQ			
	Signal Averaging	Service						Satellite Ima		al Time Differentia	al Correction with	X	
	Real Time Differentia	al Processino	7					interpolation			ar Correction with		
	HORIZONTAL ACC		<u> </u>				_		PC	st Processing			
			GPS Data	Quality						Interpolation Dat	a Quality		
	FOM	±		_Meters				Sourc	ce Map Sca	le: 1:24,000 1:100,	000 Other		
	EPE	±	Fee	t or ±	Mete	rs				Feet or ±			
	PDOP			2	2.6				<u> </u>	1 661 61 ±	Wotors		
Ph	otos:									1			
	Up	stream Pho	otos			Downstro	eam F	Photos			Other Photos		
	Photo ID#	Pho	oto Purpose	:	Photo ID#		Pho	oto Purpos	e	Photo ID#	Photo Pur	pose	
	See Attached	d Photos	•										
Us	es Observed	*: (Uses a	actually (observe	d at time	of surve	ey.)						
	☐ Swimming	,	☐ Skin			SCUBA di			☐ Tubi	ng	☐ Water skiii	ng	
•	☐ Wind surfing		☐ Kayal	king		Boating			☐ Wad		☐ Rafting		
	☐ Hunting		☐ Trapp	ning		Fishing				e of the above	☐ Other:		
-		e number c					ion of	f evidence			se <i>Data Sheet D- R</i>	Recreational	
	Use Interview wh	en conduct	ting intervi	ews.)									
Su	rrounding Co	ndition	s*: (Mar	k all tha	t promote	or imped	de re	creationa	ıl uses. A	Attach photos	of evidence or		
unu	isual items of ir	nterest.)											
	☐ City/county p	arks	☐ Playg	grounds	☐ MDC	conservatio	on lan	nds	Urba	n areas	☐ Campgrou	nds	
	☐ Boating acces	parks	☐ Nation	nal forests			☐ Natui	e trails	☐ Stairs/walk	tway			
	☐ No trespass sign ☐ Fence ☐ Steep								☐ None	of the above	☐ Other:		
	Comments:				•								
Inc	lications of H	uman U	Jse*: (at	tach ph	otos)								
	Roads	☐ Rope	Ì	_	paths/prints	□ Do	ock/pl	atform	Liv	vestock Watering	□ RV / ATV T	racks	
	☐ Camping Sites	S		☐ Fire 1					☐ Other:				
	Comments:					1							

* Page Two – Data	Sheet B for	WBID # 3336-3	:					
Stream Morpholo		_						
Upstream View	epartment	efsions: Is there a	nny water pre	sent at	t this view?	Yes □ No		
		ources If so, is	there an obv	ious ci	urrent?	□ Yes □ No		
Select one of the Channel Feature	following char Distance from		th (m)	T	41- ()	Madian Danda (m)	Mari	Daniela (m)
RIFFLE	Distance from	n access (m) Wio	itn (m)	Leng	th (m)	Median Depth (m)	Max	Depth (m)
RUN								
POOL								
Downstream Vie Approximate percenta segment site Select one of the	ge of channel feato	If so,	re any water is there an o			ew? 1 Yes □ No		
Channel Feature	Distance from		th (m)	Leng	th (m)	Median Depth (m)	Max	. Depth (m)
RIFFLE 5%								
RUN 70%								
POOL 20% - Barboneuse R		11 (1000/)				>1		>1
Substrate*: (These		Gravel Gravel	% Sand	25	% Silt	25 % Mud/Clay	10	% Bedrock
15% woody ve								
Odor:	Sewage	Musky	☐ Chemical		□ None	☐ Other:		
Color:	□ Clear	Green murky	☐ Gray		☐ Milky	☐ Other:		
Bottom Deposit:	☐ Sludge	☐ Solids	Fine sedi	ments	□ None	☐ Other:		
Surface Deposit:	Oil	■ Scum	Foam		□ None	☐ Other:		
Comments: Please	attach any ad	lditional commen	ts () to this	form.				
*This information is no comprehensive underst decision on the recreation. Please verify that you	anding of water on use analysis b	conditions. Consequent may point to cond	ently, this info ditions that ne	ormatic ed furth	on is not inte ner analysis	ended to directly influe or that effect another u	ence a ise.	nplete.
	•	,				V	,	•
Surveyor's Signature	:Robin Reymo	nd	_	Date	e of Survey	<u>:</u> 5/9/07		_
Organization: Picket	t, Ray, & Silver,	Inc.	P	ositio	n:			

-						R	ecrea	tional	Use	Attair	abilit	y Ana	ilysis i	-ield (Surve	/ey Sheet Dissolved Oxygen						
			333	6		Site #:	3											Disso	Ived O	kygen		
																Dise	solved ()xvaeu.	14.4	9	(mg/L)	
	Weathe	er Condi	tions:	suni	ny 8	5°F															(% sat)	
	GPS Lo	ocation: UTM X:	674914	4.426m		UTM Y:	425733	0.724m	. N/	Д			PDOP:	26		DIS					(% sat) (µS/cm))
														2.0		Wate	r Tomne	aratura.	26.0		(°C)	
	Averag	e Strear	m Width	17.4			(meters)	Leng	th of Su	ırvey Se	gment:	350	(1	meters)	vvate	rempe	nature.			(0)	
				3 - R																		
										Tran	t C	6	aatian									
												ross-S										
	Distance)1	Distance	2	Distance	3	Distance	14	Distance	5	0 Distance	6	0 Distance	7	Distance	8	0 Distance	9	Distance	0	1' Distance	1
	(m)	Depth (m)	(m)	Depth (m)	(m)	Depth (m)	(m)	Depth (m)	(m)	Depth (m)	(m)	Depth (m)	(m)	Depth (m)	(m)	Depth (m)	(m)	Depth (m)	(m)	Depth (m)	(m)	Depth (m)
1	0	.12	0	.10	0	.11	0	.36	0	0.6	0	.50	0	.35		>1		>1		>1		>1
2	1	.11	.75	.12	.9	.13	.75	.38	1.7	.6	2	.50	2.0	.60		>1		>1		>1		>1
3	2 .10 1.5 .12 3 .01 2.25 .13				1.8	.40	1.5	.72	3.4	.1	4	.55	4.0	.62		>1		>1		>1		>1
4	3	.01	2.25	.13	2.7	.40	2.25	.70	5.1	.00	6	.70	6.0	.65		>1		>1		>1		>1
5	4	.00	3.0	.25	3.6	.27	3.0	.68	6.8	.00	8	.70	.80	.70		>1		>1		>1		>1
6	5	.03	3.75	.31	4.5	.25	3.75	.50	8.5	.11	10	.40	10.0	.62		>1		>1		>1		>1
7	6	.22	4.5	.31	5.4	.23	4.5	.30	10.2	.10	12	.40	12.0	.52		>1		>1		>1		>1
8	7	.35	5.25	.30	6.3	.19	5.25	.30	11.9	.01	14	.33	14.0	.60		>1		>1		>1		>1
9	8	.37	6.0	.25	7.2	.10	6.0	.33	13.6	.10	16	.38	16.0	.63		>1		>1		>1		>1
10	9	.30	6.75	.26	8.1	.10	6.75	.21	15.3	.15	18	.42	18.0	.50		>1		>1		>1		>1
11	40 00 75 40 0						7.5	.13	17	.13	20	.35	20	.35								
Width/Median Depth	10	0.11	7.5	0.25	9	0.19	7.5	0.36	17	.13	20	0.42	20	0.62	20	ı	25	1	25	-	30	-
Feature Type (riffle, run, or pool)	Riffle)	Run		Run		Pool		Riffle -	braided	ided Pool Run Run					Run		Run		Run		
																Ton Ton						

Notes: Transects will be measured beginning on left descending bank and finishing on right descending bank.

GPS location corresponds to Transect 01. Transects ordered in upstream to downstream order.

_{Signed:} Robin Reymond	Date:	5/9/07
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Site Maximum 1.00

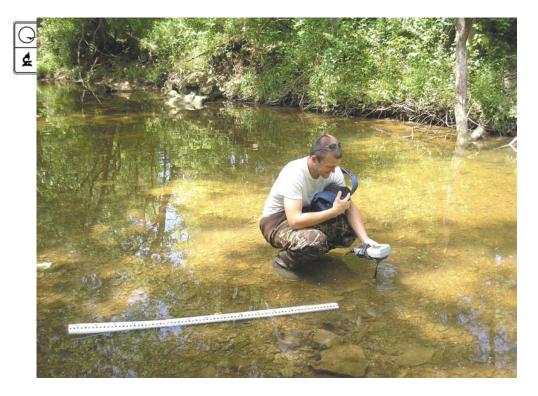
Site Median 0.50



1. WBID 3336 – Site 1 – Transect 1 – facing upstream.



2. WBID 336 – Site 1 – Transect 1 – facing downstream.



3. WBID 336 – Site 2 – Transect 1 – facing upstream.



4. WBID 3336 – Site 2 – Transect 1 – facing downstream.



5. WBID 3336 – Site 3 – Transect 7, facing right, descending bank.



6. WBID 336 – Site 3 – Transect 11 – near confluence with Bourbeuse River (in background).



7. WBID 3336 – Site 2 – Transect 9 – confluence with Fenton Creek, facing upstream.



8. WBID 3336 – Site 2 – Transect 9 – facing downstream just downstream of confluence with Fenton Creek.